

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G11B20/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 798 714 A (TOKYO SHIBAURA ELECTRIC CO) 1 October 1997 (1997-10-01) column 1, line 13 - column 3, line 9 column 8, line 29 - column 14, line 21; figures 1,10,15	1-6
X	EP 0 837 472 A (SONY CORP) 22 April 1998 (1998-04-22) column 3, line 51 - column 10, line 45; claims; figures 1-3	1-6
X	WO 00/07186 A (LG ELECTRONICS INC) 10 February 2000 (2000-02-10) page 1, line 9 - page 2, line 10 page 7, line 17 - page 8, line 20 page 13, line 21 - page 24, line 14 ----- -/--	1-6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

8 October 2004

Date of mailing of the international search report

18/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

D'Attilia, M

## INTERNATIONAL SEARCH REPORT

onal Application No

IB2004/051005

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/031106 A1 (OZAKI KOJI) 13 February 2003 (2003-02-13) paragraph '0005! paragraphs '0040! - '0045! paragraph '0070!; figures -----	1-6

## INTERNATIONAL SEARCH REPORT

Information on patent family members

onal Application No

IB2004/051005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0798714	A	01-10-1997	JP 3113201 B2	27-11-2000
			JP 9265737 A	07-10-1997
			CN 1164092 A , B	05-11-1997
			DE 69703597 D1	04-01-2001
			DE 69703597 T2	31-05-2001
			EP 0798714 A2	01-10-1997
			KR 262473 B1	01-08-2000
			US 5963522 A	05-10-1999
			US 5859823 A	12-01-1999
EP 0837472	A	22-04-1998	JP 10125006 A	15-05-1998
			DE 69721178 D1	28-05-2003
			DE 69721178 T2	11-03-2004
			EP 0837472 A2	22-04-1998
			KR 261398 B1	01-07-2000
			US 5966358 A	12-10-1999
WO 0007186	A	10-02-2000	KR 2000010473 A	15-02-2000
			KR 2000014100 A	06-03-2000
			KR 2000015037 A	15-03-2000
			AU 4657199 A	21-02-2000
			BR 9906652 A	29-08-2000
			CN 1482613 A	17-03-2004
			CN 1137482 C	04-02-2004
			EP 1345223 A2	17-09-2003
			EP 1347453 A2	24-09-2003
			EP 1027705 A1	16-08-2000
			JP 2002521787 T	16-07-2002
			JP 2004005942 A	08-01-2004
			JP 2004119014 A	15-04-2004
			WO 0007186 A1	10-02-2000
			US 6625094 B1	23-09-2003
			US 2004004919 A1	08-01-2004
			US 2004005140 A1	08-01-2004
US 2003031106	A1	13-02-2003	WO 0209109 A1	31-01-2002